

Notice of Allowability

Application No.

10/634,326

Examiner

Chih-Ching Chow

Applicant(s)

LEI ET AL.

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2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/06/06.
2. ☒ The allowed claim(s) is/are 1-7,9-15,17-25,27 and 28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 1/23/07
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Examiner's Amendment and Statement of Reasons for Allowance

1. This action is responsive to Applicant's amendment filed on November 06, 2006.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/02/2005 has been entered.

Examiner's Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Samuel G. Campbell, Registration Number 42,381, on January 23, 2007 for obviating any potential 101 issues and put the claims in condition for allowance.

The application has been amended as follows:

1. **(Currently Amended)** A method for generating a user interface of an application, the method comprising:

receiving a configuration for ~~[[a]]~~ the user interface of ~~[[an]]~~ the application;
determining a set of configuration parameters corresponding to the configuration; and
in response to a request by a user, dynamically generating user interface display code at
run time, wherein

the user interface code is based upon the set of configuration parameters and a role of the user within an organization, **[[and]]** the configuration parameters are configured to indicate a position and a size for each selected object of a plurality of objects,
the position and the size for each selected object is a location in a free-form grid layout, and the position and the size for each selected object are user-defined.

3. **(Currently Amended)** The method of claim 1, wherein the configuration for the user interface is determined by selecting one or more objects and positioning each of the one or more objects selected in a desired location of **[[a]] the** free-form grid layout.

5. **(Currently Amended)** The method of claim 3, wherein the one or more objects are selected using a user input device and each of the one or more objects selected is positioned by dragging the object to **[[a]] the** desired location of the free-form grid layout.

11. **(Currently Amended)** A system **for generating a user interface of an application, the system** comprising:

a storage device configured to store a set of configuration parameters corresponding to a configuration of **[[a]] the** user interface of **[[an]] the** application; and
a processor, coupled to the storage device and configured to dynamically generate user interface display code at run time, wherein
the user interface display code is dynamically generated at run time in response to a request from a client device to access the application and a request by a user,

the user interface display code is based upon the set of configuration parameters and ~~the user's~~ a role of the user within an organization,
[[and]]

the configuration parameters are configured to indicate a position and a size for each selected object of a plurality of objects,

the position and the size for each selected object is a location in a free-form grid layout, and the position and the size for each selected object are user-defined.

13. (Currently Amended) The system of claim 11, wherein the configuration is determined by selecting one or more objects and positioning each of the one or more objects selected in a desired location of [[a]] the free-form grid layout.

19. (Currently Amended) A machine-readable medium that provides instructions, which when executed by a processing system, cause the processing system to perform a method for generating a user interface of an application, the method comprising:

accessing a generic layout file for [[a]] the user interface of [[an]] the application,
the generic layout file having a free-form grid layout and a set of objects;

creating a configuration for a user interface of an application;

determining a set of configuration parameters corresponding to the configuration;

and

in response to a request by a user, dynamically generating user interface display code at run time, wherein

the user interface display code is based upon the set of configuration

parameters and ~~the user's~~ a role of the user within an organization,
[[and]]

the configuration parameters are configured to indicate a position and a size for each selected object of a plurality of objects,
the position and the size for each selected object is a location in a free-form grid layout, and the position and the size for each selected object are user-defined.

21. (Currently Amended) The machine-readable medium of claim 19, wherein the configuration for the user interface is determined by selecting one or more objects and positioning each of the one or more objects selected in a desired location of **[[a]] the** free-form grid layout.

23. (Currently Amended) The machine-readable medium of claim 21, wherein the one or more objects are selected using a user input device and each of the one or more objects selected is positioned by dragging the object to **[[a]] the** desired location of the free-form grid layout.

-- The End --

Examiner's Statement of Reason(s) for Allowance

4. Claims 1-7, 9-16, 17-25, 27-28 are allowed.
5. The following is an examiner's statement of reasons for allowance:

The prior arts of record: **Dardinski et al**, teaches a method for configuring process, environmental, industrial and other control systems. Such apparatus employs "appearance" objects (or other data and/or programming constructs) defining the appearance of configurable system components in graphical editors or other views in which the components may be depicted. "Placeholder" objects (or other constructs) persist the location, size, color, or other aspects of appearance defined by an appearance object for a configurable component in views in which it is actually depicted. By way of example, a process control configuration apparatus according to this aspect of the invention uses "configurable" objects to define blocks, loops and other components of a process control system. **Nicolle**, teaches a method of visualizing or graphically printing an automatism application programmed on a programming station with the aid of graphic automatism languages (LD, SFC, FBD) on a computer terminal. **Brady et al.**, teaches a planning system includes at least one business rule remote from at least one client, a meeting editor, wherein at least one meeting may be generated for the at least one client by the meeting editor in accordance with at least one of the at least one business rule, and at least one tracker communicatively connected to the meeting editor, wherein the at least one tracker tracks at least two data items selected from the group consisting of invitees to at least one of the at least one meetings, respondents to invitations to the meeting, at least one speaker of the meeting, at least one host of the meeting, finances of the meeting, and a venue of the meeting, and wherein the at least one tracker communicates the at least two data items with the meeting editor. And **Underwood**, teaches a system and method are provided for providing an activity framework. First, a plurality of sub-activities are created which each include sub-activity logic adapted to generate an output based on an input received from a user upon execution. Second, a plurality of activities are defined

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which each execute the sub-activities in a unique manner upon being selected for accomplishing a goal associated with the activity. Selection of one of the activities is allowed by receiving user indicia. An interface is depicted for allowing receipt of the input and display of the output during execution of the sub-activities associated with the selected activity. New art made of record: US 2003/0120711 by Katz, teaches a Windows workstation user is provided with a quick, simple, easily-managed path to combinations of available applications on a network of systems, in such a way that the user can establish and exploit complex data relationships and software capabilities on the workstation without application installation, significant access effort, or specialized knowledge. However, none of them, taken alone or in combination, teaches a method for generating a user interface of an application, the method comprising: receiving a configuration for the user interface of the application; determining a set of configuration parameters corresponding to the configuration; and in response to a request by a user, dynamically generating user interface display code at run time, wherein the user interface code is based upon the set of configuration parameters and a role of the user within an organization, the configuration parameters are configured to indicate a position and a size for each selected object of a plurality of objects, and the position and the size for each selected object is a location in a free-form grid layout, and the position and the size for each of the selected object are user-defined; in such a manner as recited in claims 1, 11, and 19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

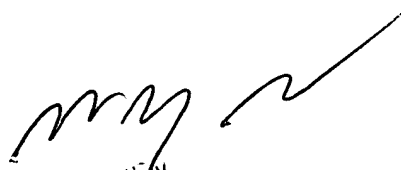
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chih-Ching Chow whose telephone number is 571-272-3693. The examiner can normally be reached on 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Zhen can be reached on 571-272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chih-Ching Chow
Examiner
Art Unit 2191
January 30, 2007

CC


WEI ZHEN
SUPERVISORY PATENT EXAMINER